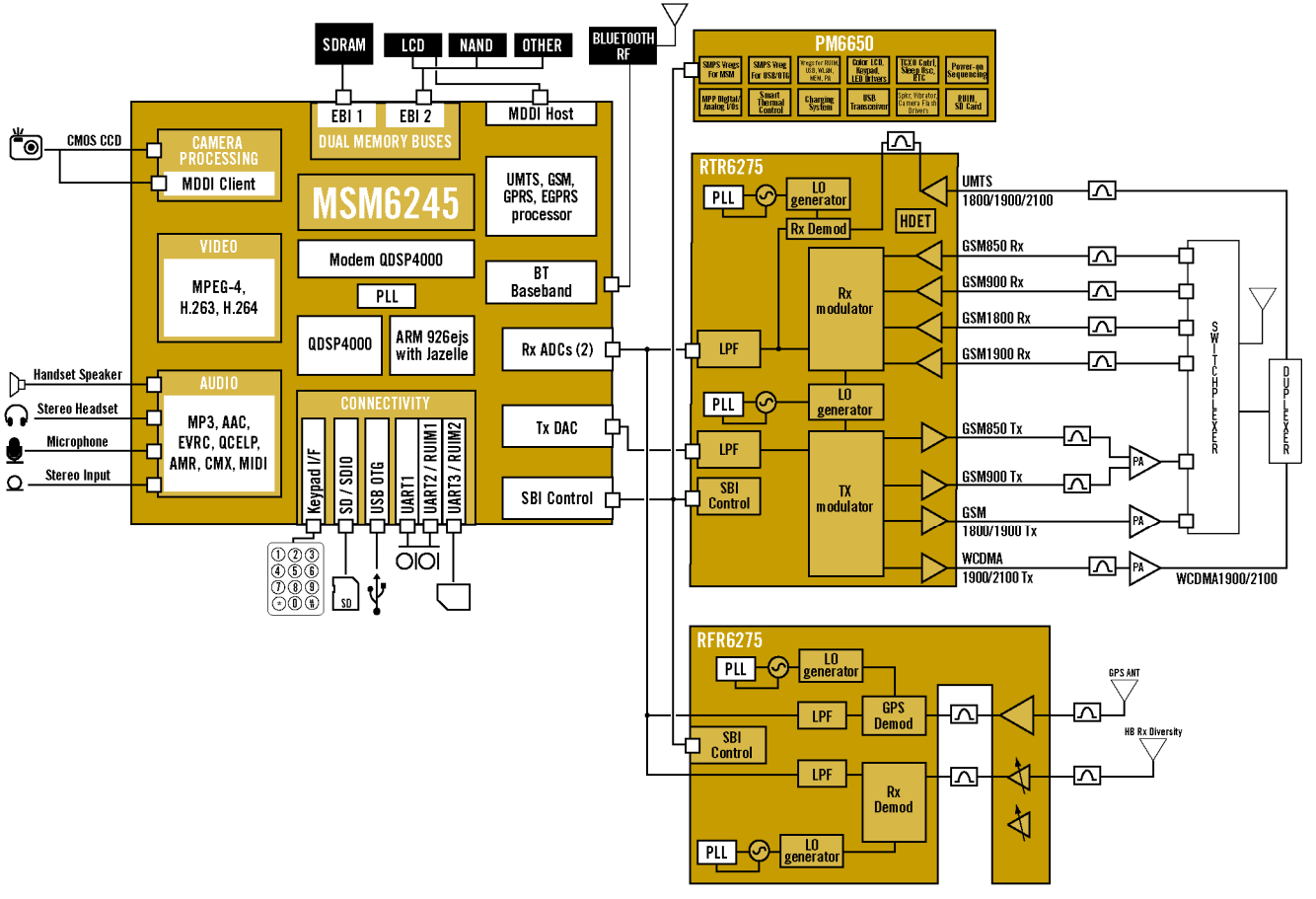
SDRAM
LCD
NAND
OTHER
BLUETOOTH RF
PM6650
SMPS Vregs For MSM
SMPS Vreg For USB/OTG
Regs for RTM, USB, WLAN, MEM, PA
Color LCD, Keypad, LED Drivers
TCXO Cntrl, Sleep Osc, RTC
Power-on Sequencing
MPP Digital/ Analog I/Os
Smart Thermal Control
Charging System
USB Transceiver
Optic. Vibrator, Camera Flash Drivers
RUIM, SD Card
EBI 1
EBI 2
DUAL MEMORY BUSES
MDDI Host
CMOS CCD
CAMERA PROCESSING
MDDI Client
MSM6245
UMTS, GSM, GPRS, EGPRS processor
VIDEO
MPEG-4, H.263, H.264
Modem QDSP4000
PLL
BT Baseband
QDSP4000
ARM 926ejs with Jazelle
Rx ADCs (2)
Handset Speaker
Stereo Headset
Microphone
Stereo Input
AUDIO
MP3, AAC, EVRC, QCELP, AMR, CMX, MIDI
CONNECTIVITY
Keypad I/F
SD / SDIO
USB OTG
UART1
UART2 / RUIM1
UART3 / RUIM2
Tx DAC
SBI Control
SD
RTR6275
PLL
LO generator
Rx Demod
HDET
LPF
Rx modulator
TX modulator
UMTS 1800/1900/2100
GSM850 Rx
GSM900 Rx
GSM1800 Rx
GSM1900 Rx
GSM850 Tx
GSM900 Tx
GSM 1800/1900 Tx
WCDMA 1900/2100 Tx
PA
SWITCHED DIPLEXER
DUPLEXER
WCDMA1900/2100
RFR6275
GPS Demod
GPS ANT
HB Rx Diversity